



## ABSTRACT

A sensor system includes a sensor signal processing unit and an analytical unit. The analytical unit is designed in such a way that at least one parameter for signal processing can be redefined on the basis of the output signals delivered by the sensor processing unit. At least one  
5 connecting line between a sensor-signal processing unit and the analytical unit establishes a connection for transmitting at least one of the newly defined parameters for processing the sensor signal to the sensor-signal processing unit. The sensor-signal processing unit is inventively designed in such a way that the newly transmitted parameters for processing the sensor signal replace the originally prescribed parameters.

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